

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-108. (Canceled)

109. (Previously Presented) An electroluminescence display device comprising:
at least one thin film transistor formed over a substrate;
a first insulating layer comprising organic resin formed over said thin film transistor;
a second insulating layer comprising DLC formed over said first insulating layer;
a pixel electrode formed over said second insulating layer, said pixel electrode electrically connected to said thin film transistor; and
a light-emitting layer formed over said second insulating layer.

110. (Previously Presented) An electroluminescence display device according to claim 109, wherein said organic resin is selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

111. (Previously Presented) An electroluminescence display device according to claim 109, wherein said first insulating layer has a planarized surface.

112. (Previously Presented) An electroluminescence display device according to claim 109, wherein said electroluminescence display device is incorporated into an electric apparatus selected from the group consisting of a portable information terminal, a head mount display, a portable telephone, a video camera and a projector.

113. (Previously Presented) An electroluminescence display device comprising:
at least one thin film transistor formed over a substrate;

a first insulating layer comprising silicon nitride formed over said thin film transistor;

a second insulating layer comprising organic resin formed over said first insulating layer;

a third insulating layer comprising DLC formed over said second insulating layer;

a pixel electrode formed over said third insulating layer, said pixel electrode electrically connected to said thin film transistor; and

a light-emitting layer formed over said third insulating layer.

114. (Previously Presented) An electroluminescence display device according to claim 113, wherein said organic resin is selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

115. (Previously Presented) An electroluminescence display device according to claim 113, wherein said second insulating layer has a planarized surface.

116. (Previously Presented) An electroluminescence display device according to claim 113, wherein said electroluminescence display device is incorporated into an electric apparatus selected from the group consisting of a portable information terminal, a head mount display, a portable telephone, a video camera and a projector.

117. (Previously Presented) An electroluminescence display device comprising:
at least one thin film transistor formed over a substrate;

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a first insulating layer comprising organic resin formed over said thin film transistor;

a second insulating layer comprising DLC formed over said first insulating layer;

a third insulating layer comprising organic resin formed over said second insulating layer;

a pixel electrode formed over said third insulating layer, said pixel electrode electrically connected to said thin film transistor; and

a light-emitting layer formed over said third insulating layer.

118. (Previously Presented) An electroluminescence display device according to claim 117, wherein said organic resin is selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

119. (Previously Presented) An electroluminescence display device according to claim 117, wherein said first insulating layer has a planarized surface.

120. (Previously Presented) An electroluminescence display device according to claim 117, wherein said electroluminescence display device is incorporated into an electric apparatus selected from the group consisting of a portable information terminal, a head mount display, a portable telephone, a video camera and a projector.

121. (Previously Presented) An electroluminescence display device comprising:
an active matrix region and a driver region formed over a substrate, wherein said active matrix region comprises:

at least one thin film transistor;

a first insulating layer comprising organic resin formed over said thin film transistor;

a second insulating layer comprising DLC formed over said first insulating layer;

a pixel electrode formed over said second insulating layer, said pixel electrode electrically connected to said thin film transistor; and

a light-emitting layer formed over said second insulating layer.

122. (Currently Amended) An electroluminescence display device according to claim [[117]] 121, wherein said organic resin is selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

123. (Currently Amended) An electroluminescence display device according to claim [[117]] 121, wherein said first insulating layer has a planarized surface.

124. (Currently Amended) An electroluminescence display device according to claim [[117]] 121, wherein said electroluminescence display device is incorporated into an electric apparatus selected from the group consisting of a portable information terminal, a head mount display, a portable telephone, a video camera and a projector.

125. (Previously Presented) An electroluminescence display device comprising:
an active matrix region and a driver region over a substrate, wherein said active matrix region comprises:

at least one thin film transistor;

a first insulating layer comprising silicon nitride formed over said thin film transistor;

a second insulating layer comprising organic resin formed over said first insulating layer;

a third insulating layer comprising DLC formed over said second insulating layer;

a pixel electrode formed over said third insulating layer, said pixel electrode electrically connected to said thin film transistor; and

a light-emitting layer formed over said third insulating layer.

126. (Previously Presented) An electroluminescence display device according to claim 125, wherein said organic resin is selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

127. (Previously Presented) An electroluminescence display device according to claim 125, wherein said second insulating layer has a planarized surface.

128. (Previously Presented) An electroluminescence display device according to claim 125, wherein said electroluminescence display device is incorporated into an electric apparatus selected from the group consisting of a portable information terminal, a head mount display, a portable telephone, a video camera and a projector.

129. (Previously Presented) An electroluminescence display device comprising:

an active matrix region and a driver region over a substrate, wherein said active matrix region comprises:

- at least one thin film transistor;
- a first insulating layer comprising organic resin formed over said thin film transistor;
- a second insulating layer comprising DLC formed over said first insulating layer;
- a third insulating layer comprising organic resin formed over said second insulating layer;
- a pixel electrode formed over said third insulating layer, said pixel electrode electrically connected to said thin film transistor; and
- a light-emitting layer formed over said third insulating layer.

130. (Previously Presented) An electroluminescence display device according to claim 129, wherein said organic resin is selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

131. (Previously Presented) An electroluminescence display device according to claim 129, wherein said first insulating layer has a planarized surface.

132. (Previously Presented) An electroluminescence display device according to claim 129, wherein said electroluminescence display device is incorporated into an electric apparatus selected from the group consisting of a portable information terminal, a head mount display, a portable telephone, a video camera and a projector.

133. (Previously Presented) An electroluminescence display device comprising:

- a switching element comprising at least one thin film transistor formed over a substrate;
- a first insulating layer comprising organic resin formed over said switching element;
- a second insulating layer comprising DLC formed over said first insulating layer;

a pixel electrode formed over said second insulating layer, said pixel electrode electrically connected to said thin film transistor; and
a light-emitting layer formed over said second insulating layer.

134. (Previously Presented) An electroluminescence display device according to claim 133, wherein said organic resin is selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

135. (Previously Presented) An electroluminescence display device according to claim 133, wherein said first insulating layer has a planarized surface.

136. (Previously Presented) An electroluminescence display device according to claim 133, wherein said electroluminescence display device is incorporated into an electric apparatus selected from the group consisting of a portable information terminal, a head mount display, a portable telephone, a video camera and a projector.

137. (Previously Presented) An electroluminescence display device comprising:
a switching element comprising at least one thin film transistor formed over a substrate;

a first insulating layer comprising organic resin having a flattened upper surface, formed over said switching element;

a second insulating layer comprising DLC formed over said first insulating layer;

a pixel electrode formed over said second insulating layer, said pixel electrode electrically connected to said thin film transistor; and

a light-emitting layer formed over said second insulating layer.

138. (Previously Presented) An electroluminescence display device according to claim 137, wherein said organic resin is selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

139. (Previously Presented) An electroluminescence display device according to claim 137, wherein said first insulating layer has a planarized surface.

140. (Previously Presented) An electroluminescence display device according to claim 137, wherein said electroluminescence display device is incorporated into an electric apparatus selected from the group consisting of a portable information terminal, a head mount display, a portable telephone, a video camera and a projector.

141. (New) An electroluminescence display device comprising:
at least one thin film transistor formed over a substrate;
a flattened insulating layer formed over said thin film transistor;
an insulating layer comprising DLC formed over said flattened insulating layer;
a pixel electrode formed over said insulating layer comprising DLC, said pixel electrode electrically connected to said thin film transistor; and
a light-emitting layer formed over said insulating layer.

142. (New) An electroluminescence display device according to claim 141, wherein said flattened insulating layer comprises an organic resin selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

143. (New) An electroluminescence display device according to claim 141, wherein said electroluminescence display device is incorporated into an electric apparatus selected from the group consisting of a portable information terminal, a head mount display, a portable telephone, a video camera and a projector.

144. (New) An electroluminescence display device comprising:
at least one thin film transistor formed over a substrate;
a first flattened insulating layer formed over said thin film transistor;
an insulating layer comprising DLC formed over said first flattened insulating layer;
a second flattened insulating layer formed over said second insulating layer;

a pixel electrode formed over said insulating layer comprising DLC, said pixel electrode electrically connected to said thin film transistor; and
a light-emitting layer formed over said second flattened insulating layer.

145. (New) An electroluminescence display device according to claim 144, wherein at least one of said first and second flattened insulating layers comprises an organic resin selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

146. (New) An electroluminescence display device according to claim 144, wherein said electroluminescence display device is incorporated into an electric apparatus selected from the group consisting of a portable information terminal, a head mount display, a portable telephone, a video camera and a projector.

147. (New) A portable information terminal comprising:
at least one thin film transistor formed over a substrate;
a flattened insulating layer formed over said thin film transistor;
an insulating layer comprising DLC formed over said flattened insulating layer;
a pixel electrode formed over said insulating layer comprising DLC, said pixel electrode electrically connected to said thin film transistor; and
a light-emitting layer formed over said insulating layer.

148. (New) A portable information terminal according to claim 147, wherein said flattened insulating layer comprises an organic resin selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

149. (New) A portable information terminal comprising:
at least one thin film transistor formed over a substrate;
a first flattened insulating layer formed over said thin film transistor;
an insulating layer comprising DLC formed over said first flattened insulating layer;

a second flattened insulating layer formed over said second insulating layer;
a pixel electrode formed over said insulating layer comprising DLC, said pixel electrode electrically connected to said thin film transistor; and
a light-emitting layer formed over said second flattened insulating layer.

150. (New) A portable information terminal according to claim 149, wherein at least one of said first and second flattened insulating layers comprises an organic resin selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

151. (New) A head mount display comprising:
at least one thin film transistor formed over a substrate;
a flattened insulating layer formed over said thin film transistor;
an insulating layer comprising DLC formed over said flattened insulating layer;
a pixel electrode formed over said insulating layer comprising DLC, said pixel electrode electrically connected to said thin film transistor; and
a light-emitting layer formed over said insulating layer.

152. (New) A head mount display according to claim 151, wherein said flattened insulating layer comprises an organic resin selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

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153. (New) A head mount display comprising:
at least one thin film transistor formed over a substrate;
a first flattened insulating layer formed over said thin film transistor;
an insulating layer comprising DLC formed over said first flattened insulating layer;
a second flattened insulating layer formed over said second insulating layer;
a pixel electrode formed over said insulating layer comprising DLC, said pixel electrode electrically connected to said thin film transistor; and
a light-emitting layer formed over said second flattened insulating layer.

154. (New) A head mount display according to claim 153, wherein at least one of said first and second flattened insulating layers comprises an organic resin selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

155. (New) A portable telephone comprising:
at least one thin film transistor formed over a substrate;
a flattened insulating layer formed over said thin film transistor;
an insulating layer comprising DLC formed over said flattened insulating layer;
a pixel electrode formed over said insulating layer comprising DLC, said pixel electrode electrically connected to said thin film transistor; and
a light-emitting layer formed over said insulating layer.

156. (New) A portable telephone according to claim 155, wherein said flattened insulating layer comprises an organic resin selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

157. (New) A portable telephone comprising:
at least one thin film transistor formed over a substrate;
a first flattened insulating layer formed over said thin film transistor;
an insulating layer comprising DLC formed over said first flattened insulating layer;
a second flattened insulating layer formed over said second insulating layer;
a pixel electrode formed over said insulating layer comprising DLC, said pixel electrode electrically connected to said thin film transistor; and
a light-emitting layer formed over said second flattened insulating layer.

158. (New) A portable telephone according to claim 157, wherein at least one of said first and second flattened insulating layers comprises an organic resin selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

159. (New) A video camera comprising:

at least one thin film transistor formed over a substrate;

a flattened insulating layer formed over said thin film transistor;

an insulating layer comprising DLC formed over said flattened insulating layer;

a pixel electrode formed over said insulating layer comprising DLC, said pixel electrode electrically connected to said thin film transistor; and

a light-emitting layer formed over said insulating layer.

160. (New) A video camera according to claim 159, wherein said flattened insulating layer comprises an organic resin selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

161. (New) A video camera comprising:

at least one thin film transistor formed over a substrate;

a first flattened insulating layer formed over said thin film transistor;

an insulating layer comprising DLC formed over said first flattened insulating layer;

a second flattened insulating layer formed over said second insulating layer;

a pixel electrode formed over said insulating layer comprising DLC, said pixel

electrode electrically connected to said thin film transistor; and

a light-emitting layer formed over said second flattened insulating layer.

162. (New) A video camera according to claim 161, wherein at least one of said first and second flattened insulating layers comprises an organic resin selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

163. (New) A projector comprising:

at least one thin film transistor formed over a substrate;

a flattened insulating layer formed over said thin film transistor;

an insulating layer comprising DLC formed over said flattened insulating layer;

a pixel electrode formed over said insulating layer comprising DLC, said pixel electrode electrically connected to said thin film transistor; and
a light-emitting layer formed over said insulating layer.

164. (New) A projector according to claim 163, wherein said flattened insulating layer comprises an organic resin selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.

165. (New) A projector comprising:
at least one thin film transistor formed over a substrate;
a first flattened insulating layer formed over said thin film transistor;
an insulating layer comprising DLC formed over said first flattened insulating layer;
a second flattened insulating layer formed over said second insulating layer;
a pixel electrode formed over said insulating layer comprising DLC, said pixel electrode electrically connected to said thin film transistor; and
a light-emitting layer formed over said second flattened insulating layer.

166. (New) A projector according to claim 165, wherein at least one of said first and second flattened insulating layers comprises an organic resin selected from the group consisting of polyimide, polyimideamide, polyamide, acryl and epoxy.
